

# **STORMWATER MANAGEMENT PROGRAM ENGINEER**

## **GENERAL RESPONSIBILITIES**

Manages the review of stormwater management plans and computations for proposed construction projects to protect receiving streams from environmental degradation due to stormwater runoff in accordance with Federal, State and local laws. Serves as the lead technical and subject matter expert in the field of stormwater management engineering for Carroll County Government. Provides guidance in the development of local laws, policies, and procedures to comply with best engineering practices and Federal and State requirements.

## **ESSENTIAL TASKS** include the following; other duties may be assigned.

1. Apply principles, practices, laws, and regulations related to civil engineering and construction design
2. Apply engineering analysis of Federal and State requirements and regulations
3. Review proposed construction plans for compliance with Federal, State, and local laws as well as acceptable engineering practices
4. Review structural integrity of small dams
5. Provide Professional Engineering certification for County funded drainage improvement and flood control civil engineering projects
6. Review stream crossings and storm drain outfalls
7. Provide engineering review and technical support for project information, participate in work groups and attend public meetings
8. Oversee the review of stormwater management construction plans and computations by other staff
9. Perform related duties as to specific assignments
10. Any employee may be identified as Essential Personnel during emergency situations
11. Provide service to customers by answering questions, providing information, making referrals, and assuring appropriate follow-through and/or resolution
12. Communicate with managers, supervisors, co-workers, and others, maintains confidentiality; and represents the County

## **EDUCATION AND EXPERIENCE**

1. Bachelor's degree in Civil Engineering or related field
2. Five years experience in construction design or civil engineering
3. College level course work or training in the field of hydraulics, hydrology, and soil mechanics

\*A comparable amount of training and experience may be substituted for the minimum qualifications

## **KNOWLEDGE, SKILLS AND ABILITIES**

1. Read, analyze, and interpret business and technical procedures and governmental regulations
2. Make presentations on complex topics to top management, public groups and/or boards, and employees

3. Write plans, reports, correspondence, procedures, and other required documentation
4. Demonstrate leadership and project management skills
5. Define problems, collect data, establish facts, and draw conclusions
6. Apply complex mathematical concepts and formulas
7. Apply knowledge of hydrology and hydraulics
8. Work with detail, problem solve, and communicate problems
9. Use computer software programs and/or other applications

## **CERTIFICATES, LICENSES, REGISTRATIONS**

1. Registration as a Professional Engineer (Maryland)